

DETAILED ACTION

1. The amendment filed 12/08/2009 have been entered and made of record.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jonathan P. Osha on February 25, 2010.

3. The application has been amended as follows:

IN THE CLAIMS

Claim 1 has been rewritten as follows:

A processing method for data exchanged between a portable object and an interface device, the portable object being of a chip card or chip key type, wherein the method comprises a protocol detection mode implemented within and by the portable object, comprising:

- a) receiving an initial signal from the interface device, wherein the initial signal is received after transmission of a response upon turning on the portable object;
- b) sampling said initial signal simultaneously according to a first speed with a first

protocol and a second speed associated with a second protocol in the portable object;
c) comparing, in the portable object, at least one sample of a resulting sampling signal to at least one key protocol condition corresponding to one of the first protocol and the second protocol; and

d) processing data exchanged according to one of the first protocol and the second protocol based on a result of the comparison in the portable object;

wherein an elementary time unit of the first speed is equal to $372/if$, where "if" is a frequency provided by the interface device during the response when the portable object is turned on;

wherein an elementary time unit of the second speed is equal to $396/if$, where "if" is the frequency provided by the interface device during the response when the portable object is turned on.

Canceled claims 5-6;

Claim 8 has been rewritten as follows:

A portable object able to exchange data with an interface device, wherein the portable object is a chip card or a chip key, and the portable object comprises means for processing configured to:

receive an initial signal from the interface device;

sample said initial signal simultaneously according to a first speed associated with a first protocol and a second speed associated with a second protocol;

compare at least one sample of said initial signal a key protocol conditions-
corresponding to the first and second protocols; and
process data exchanged according to one of the first or the second protocols based on
a result of the comparison;

wherein an elementary time unit of the first speed is equal to $372/if$, where "if" is a
frequency provided by the interface device during the response when the portable
object is turned on;

wherein an elementary time unit of the first speed is equal to $396/if$, where "if" is the
frequency provided by the interface device during the response when the portable
object is turned on.

Canceled claims 11-12;

Claim 14 has been rewritten as follows:

A computer readable storage medium comprising program instructions, that when
executed by a computing device, allow the implementation of a processing method,
comprising:

receiving an initial signal from the interface device, wherein the initial signal is received
after transmission of a response upon turning on the portable object;

sampling said initial signal simultaneously according to a first speed associated with a
first protocol and a second speed associated with a second protocol in the portable
object;

comparing, in the portable object, at least one sample of a resulting sampling signal to at least one key protocol condition corresponding to one of the first protocol and the second protocol; and

processing data exchanged according to one of the first protocol and the second protocol based on the result of the comparison in the portable object;

wherein an elementary time unit of the first speed is equal to $372/ff$, where " f " is a frequency provided by the interface device during the response when the portable object is turned on;

wherein an elementary time unit of the second speed is equal to $396/ff$, where " f " is the frequency provided by the interface device during the response when the portable object is turned on.

Regarding to claim 14, the examiner has reviewed and interpreted "a computer readable storage medium" to be strictly one of the form ROM, Flash or EEPROM as disclosed by Applications specification (Page 10, lines 29-32).

Allowable Subject Matter

4. Claims 1-4, 7, 8-10, 13, 14 are allowed.
5. The following is a statement of reasons for the indication of allowable subject matter:

Claim 1 is allowed. The prior art fails to disclose b) sampling said initial signal simultaneously according to a first speed with a first protocol and a second speed

associated with a second protocol in the portable object;

c) comparing, in the portable object, at least one sample of a resulting sampling signal to at least one key protocol condition corresponding to one of the first protocol and the second protocol; and

d) processing data exchanged according to one of the first protocol and the second protocol based on a result of the comparison in the portable object;

wherein an elementary time unit of the first speed is equal to $372/f$, where " f " is a frequency provided by the interface device during the response when the portable object is turned on;

wherein an elementary time unit of the second speed is equal to $396/f$, where " f " is the frequency provided by the interface device during the response when the portable object is turned on.

Claim 8 is allowed. The prior art fails to disclose sample said initial signal simultaneously according to a first speed associated with a first protocol and a second speed associated with a second protocol; compare at least one sample of said initial signal a key protocol conditions-corresponding to the first and second protocols; and process data exchanged according to one of the first or the second protocols based on a result of the comparison;

wherein an elementary time unit of the first speed is equal to $372/|f|$, where " $|f|$ " is a frequency provided by the interface device during the response when the portable object is turned on;

wherein an elementary time unit of the first speed is equal to $396/|f|$, where " $|f|$ " is the frequency provided by the interface device during the response when the portable object is turned on.

Claim 14 is allowed. The prior art fails to disclose sampling said initial signal simultaneously according to a first speed associated with a first protocol and a second speed associated with a second protocol in the portable object;
comparing, in the portable object, at least one sample of a resulting sampling signal to at least one key protocol condition corresponding to one of the first protocol and the second protocol; and

processing data exchanged according to one of the first protocol and the second protocol based on the result of the comparison in the portable object;

wherein an elementary time unit of the first speed is equal to $372/|f|$, where " $|f|$ " is a frequency provided by the interface device during the response when the portable object is turned on;

wherein an elementary time unit of the second speed is equal to $396/|f|$, where " $|f|$ " is the frequency provided by the interface device during the response when the portable object is turned on.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hays et al. (Patent No.: US 6,678,751 B1); Lu et al. (Patent No.: US 6,172,609 B1);
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHUONG T. HO whose telephone number is (571)272-3133. The examiner can normally be reached on 8:00 am to 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sheikh Ayaz can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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